110.01 LEDGERS AND MATERIALS INSPECTION SUMMARY

Field Ledger

A DH-2017, Project Control Data Form, shall be placed in the front of the ledger book and shall be maintained current.

A Field Ledger Sheet (DH-345) must be prepared for each pay item in the contract. Also, any additional entries for payment (or reduction) listed on the progress and final estimate must be supported by a ledger sheet.

Each pay item is to be entered by units as completed and a source document shown for each entry. The source document will usually be an inspector's diary or load tickets. In some cases, cross sections, the mass diagram, computer runs or other material may be the source document. In any case, the source document must be recorded on the field ledger sheet.

Automated field ledger sheets should be prepared in the same sequence as the items appear in the contract. See exhibits for typical ledger sheets. Usually, entries will be made each day work is performed if the work is of a nature that pay units are completed. Examples of items in this category are aggregate base, asphalt applied, plant mix, concrete, etc. Other items may be posted periodically (usually monthly) if the work covers several steps requiring considerable time before acceptance can be made. Examples of such items in this category are fence, guardrail, clearing and grubbing, etc. Items completed during the progress of the project should be declared final as soon as possible.

A portion of the ledger provides a record of the contract or authorized quantity and any changes thereof. A comparison of the authorized and actual quantity should be made periodically and a quantity variance request should be prepared when significant overruns or under-runs are anticipated or apparent. The percentage of the authorized verses the actual quantity will be listed by the automated program. See Section 104.02 for criteria requiring a QVR. The "checked by" column should be filled out when the posted quantities have been checked to the source document. This is a posting check only, all other checks shall be considered as specification and mathematical accuracy checks. Sample entries for various items are shown in the exhibits at the end of this section.

When separate ledger sheets are necessary, they will identify the specific project involved.

On single or multiple projects let under one contract, the cost accounting procedures are as follows:

- A. A single ledger sheet will be prepared for each contract item listed in that contract. Separate ledger sheets for the same item will be required under the following conditions.
 - 1. When the Construction Section, district management, or the FHWA determines a major contract change will adversely affect the relative percentages of the projects.
 - 2. When items are declared nonparticipating during the progress of the project.

- B. Quantities will be posted progressively.
- C. Change orders and QVRs will be entered.
- D. Ledgers will be cross-referenced and estimate vouchers prepared at least monthly. (See Manual, Section 109.05, Partial Payments, for details.)
- E. Each ledger will have a master sheet that lists the contract number on multiple projects. Also, the percent each project and section is of the total contract will be listed. These percentages will be determined from the detailed estimate. For ready reference, it is suggested to place the detailed estimate in the front of each ledger.
- F. The project which construction engineering is to be charged shall be listed on the ledger. The project number with etc. will represent all the projects in the contract. Ledgers for the other items in the categories of A-1 and A-2 above will list the actual project number.

Corrections, minus quantities or deductions should be handled as shown on the ledger exhibits.

When project ledgers must be corrected due to errors, an appropriate notation should be made in remarks to avoid any confusion resulting from the new entry.

Utility Ledger

A Utility Field Ledger Sheet (DH-345A) must be prepared for all utility and railroad agreements. (See Exhibit 110.01-4 for an example of an actual cost agreement ledger sheet.) Ledgers for fixed-cost agreements and railroad agreements that included communication lines would be similar. Ledgers for railroad relocations and grade crossings would be prepared with similar information. Except in place of poles, reference would be made to pertinent diaries. (See exhibit at end of this section.)

Materials Inspection Summary

The Materials Inspection Summary (DH-853) will now be separate from the Construction Field Ledger (DH-345). (See the Materials Manual, Section 16-808, Quality Control Inspection Program.) The Materials Inspection Summary (DH-853) may be kept in the same binder with the Construction Field Ledger (DH-345) or may be kept in a separate binder at the Resident's option.

LEDGER

DH-345

THIS ITEM IR-15-1(79 ITEM #= { ITEM: REM	THIS ITEM IS: 132.44% OF AUTH AMOUNT OR \$ 1622.22 OUER PROJECTED AND AUTHORIZATI IR-15-1(79)40 PAY UNIT-SF FEDERAL AID AUTHORIZATI ITEM #= 626-A-1 UNIT PRICE=\$*******2.00 CONTRACT ITEM: RENT CONSTRUCTION SIGN CLASS A						MOUNT ION QUANTITY 2500.00	······································	AUTH <u>QUAN</u> TITY 2500.00	AUTH_AMOUNT 5000.00		
DATE Posted	DATE R eported	POST By	BY	DRI By		asis of Ay me nt	DAILY TOTAL	TOTAL TO DATE	PAID EST#	remarks		
					•							
05-02-86	04-10-86	rh	WF		D	GDB-1	146.00	146.00	14	COMP.ON DIARY		
05-02-86	04-18-86	rh	UF		D	GDB-3	206.00	352.00	14	COMP.ON DIARY		
05-02-86	04-22-86	rh	WF		D	BT-10	983.00	1335.00	14	COMP.ON DIARY		
06-02-86	05-22-86	rh	WF		D	BT-38	117.00	1452.00	14	COMP.ON DIARY		
86-19-86	06-16-86	rh	UF		D	GK-55A	320.00	1772.00	14	COMP.ON DIARY		
25-86	06-19-86	rh	UF		D	BT-58	384.00	2156.00	14	COMP.ON DIARY		
06-25-86	06-20-86	rh	UF		D	BT-59	101.25	2257.25	14	COMP.ON DIARY		
07-03-86	07-03-86	rh	UF		C	SHEET	661.10	2918.35	14	SUMMARY OF COMP	SHEETS	
07-03-86	06-24-86	rh	UF		D	BT-62	133.00	133.00	14	COMP.ON DIARY		
07-07-86	07-07-86	rh			H		2918.35	3051.35	14	COMPUTER ERROR	ADDIDION	
07-17-86	07-03-86	rh	UF		C	SHEET	143.00	3194.35	14			
07-17-86	07-10-86	rh	UF		C	SHEET	8.00	3202.35	14			
07-22-86	07-16-86	rh	UF		C	SHEET	44.76	3247.11	14	SHEET 2 OF 2		
02-11-88	08-04-87	rh			D	BT-232	64.00	3311.11	21	COMP.ON DIARY		

LEDGER

DH-345

THIS ITEM IR-15-1(79 ITEM #= 6 ITEM: BRE	1)40	PAY UNI	UNIT= PRIC	E=\$ ***	FEDERAL A	7172.84 OVER ID	PROJECTED A AUTHORIZAT CONTRACT	ION	QUANTITY 3216.00	AUTH_QUANTITY 3216.00	AUTH_AMOUNT 5467.20
DATE POSTED	DATE REPORTED	POST BY	CHK BY	DRI	BASIS OF PAYMENT	DAILY TOTAL	TOTAL TO DATE	PAID EST:	REMARKS		
09-18-86	09-15-86	rh	UF		D GB-3	450.00	450.00	14	est.Quan.		
10-07-86	10-03-86	rh			D GB-49	990.00	1440.00	14	est.Quan.		,
12-01-86	11-25-86	rh			D GB-9	4560.00	6000.00	14	EST.QUAN.		
12-01-86	11-26-86	rh	GD8		C SHEE	6994.88	12994.88	14	WORK SHEET SUMM	ary	
02-02-88	02-02-88	rh	GDB		M .ZERO ES	r6000.00	6994.88	21	ZERO OUT EST.QU	AN.	
02-11-88	10-20-87	rh	UF		C .S. ADI) 440.44	7435.32	21			

829.87 RETAINAGE

9,605.49 483.54 621.96 1,388.31 675.69

13,605.46



UTILITY FIELD LEDGER

1-16-804-2/39)/27

PROJECT NO.

DH-345A 10-77

258,503.79 15,767.52 AMOUNT PAID 11-27-82 6-15-83 10-4-83 11-5-83 12-11-83 Totals 16,597.39 192,109.8<u>8</u> 9,670.75 12,439.23 27,778.25 13,513.76 AMOUNT Construct and remove 5420 feet of temporary shoofly, adjust 203552 392/6/ 209640 395005 2/2562 377923 BILL NO. DATE 4-18-82 397, 345.00 **4/4** AGREEMENT NO. 40-2/923 Cost (Est.) \$ BOARG ORDER COMPLETION AUTHORIZED EXTENSIONS: FIXED COST (GRACE X-ING SIGNALS ONLY)DH-2242 DH-2263 RECOMPLETED BY COMPLETED (DATE) 5-16-84 BY BY TO PROCEED (DATE) 7-/2-82 (SEE CONST. MANUAL 105.07) 9-5-82 WORK TO BE DONE: *N/A TO RAILROAD AGREEMENTS) *ENCROACHMENT PERHIT (DATE)_ WORK COMMENCED (DATE)__ WORK COMPLETED (DATE)___ ö DESCRIPTION

feet of main track, and adjust communication facilities

2774

Note: See diories for Equipment 9- Men moving communication Poles Removing switch & gauging rail & driving spikes ries Laying Panels & Replacing 1- Inspector on Project 10-Men Installing Pales Holes 8 Mer Laying Panels Gauging rail 1- Foreman Digging JH-216 CT#-9 3H-138 86-5 JH-212 SE-34 86-3 BG-4 JH-41 CHECKED GBCB CBCB $c_{\mathcal{B}}$ $\mathcal{C}_{\mathcal{C}}$ $\mathcal{C}_{\mathcal{B}}$ CB CB 3-6-82 8-16-85 12-4-18 DATE 8-6 12.5 9-12 12-8 2-2 11-6

110.02 DIARIES

General

The purpose of a diary is to provide the State with a complete and accurate record of the contractor's operation and support the fact that the project was constructed in conformance with the Plans, Specifications, and Special Provisions. The diary provides facts and figures to justify pay quantities and information to analyze a contractor's claim for extra work or changed conditions. Force account type records should be maintained whenever there is a possibility of a contractor's claim. (See Manual Section 109.03.)

The ITD-25 STANDARD CONSTRUCTION DIARY must always correspond with the ITD-657 EMPLOYEE TIME SHEET AND ACTIVITY REPORT. District Records Inspectors should perform periodic review of this documentation to assure correlation between the diary and the time sheet.

Preparing and Submitting Diaries

When multiple projects are let under one contract, the following procedure must be followed:

Quantities should be reported to the appropriate project funding code according to actual placement on the project. Both stations and funding codes should be reported with pay quantities to assist office personnel and records inspector cross checking reported quantities. Bid items shown in summaries, proposals, and estimates are to be used <u>only</u> as a guide in identifying locations and estimated quantities of the items. Proration is permissible for items such as mobilization, lump sum items, trainees, and traffic control based on detailed estimates. Questions regarding charges to projects should be directed to the Projects Unit of the Financial Control Section.

Project personnel responsible for controlling and reporting quantities will prepare and submit the ITD-25, Standard Construction Diary, on a daily basis. Separate diaries should be kept for each contract so they can be filed with the project records. A good practice is to record information while it is still fresh in your mind. Survey personnel will also prepare daily diaries unless the Resident deems it unnecessary. Personnel responsible for recording more than one contractor's men and equipment should list them separately. At times, this may require more than one diary sheet.

The Resident Engineer should document his involvement with the supervision of project activities. Significant project visits, reviews, meetings, etc. that are not otherwise documented by correspondence or reports should be made a part of the project diary record. The Resident Diary, ITD-25A, is recommended for this purpose. If other forms are used, they must be made a part of the project records. District Staff Engineers and others involved with the project on an occasional basis may need to submit diaries if their involvement in the project is important enough to document.

The Resident or his designee in charge of the project should review and initial all project diaries. It is the Resident's option to file project diaries by date, operation, or the reporting individual. Current diaries should be placed in the 7" x 12" arch clipboard. When the board is filled or as considered necessary, they should be bundled with prong fasteners and a cover sheet listing the project and time period. Carbon copies of the diaries should be bundled and filed with the project records. Diaries should be prepared in ink. Avoid the use of light blue colors. Personnel should be encouraged to print rather than use longhand. Diaries become a source document when used to report quantities.

Items to be included or procedures to use in preparing the construction diary are shown on the front cover of Form ITD-25.

110.03 PROJECT RECORDS INSPECTION PROGRAM

General

A suitable check for accuracy, documentation, computations, etc. is an important part in any engineering effort.

All quantities shall be verified by a checking process directed by the Resident within his organization. To the extent possible, computing and checking should progress concurrently with the project. The project records should indicate the initials of the computer and checker performing these respective functions along with the dates when they were completed.

Routine records checking will help detect errors and omissions early, keep the checking current, and expedite complete payment as each phase or item is finalized. Final checked quantities should be indicated by the Resident. This check of quantities must eventually assure that the items were correct from source to final estimate. It shall verify computations, documentation of activity, compliance with specifications, policies and procedures, and mathematical accuracy.

The District Engineer shall also verify the accuracy of final estimate quantities through a system of concurrent independent checking of project records. The District Records Inspector will be assigned this responsibility.

More details covering the records inspection review program may be found in the District Record Inspector's desk manual.

The records inspection program will be periodically evaluated and audit work papers reviewed on a sampling basis by Construction Section personnel. Final review reports (DH-1406) will be issued accepting the project records. Upon completion of this review, work papers should be filed with the project records. Work papers may be maintained at another location as approved by the District Engineer.

Record Inspection System

Independent records inspection system will provide the following:

- A. Assist the project personnel in setting up the necessary records, files, and ledgers on all projects.
- B. Routine checking of project records as the work progresses.
- C. A complete check from source document to final estimate of all items checked.
- D. At the district's option, a written report of findings may be submitted after each inspection.

- E. At the District's option, a status report will be submitted to the District Engineer each month on the review work performed by the District Records Inspector. (See Exhibit 110.03-1.)
- F. The final report (DH-1996) should be submitted with final estimate. (See Exhibit 110.03-2.) If this is not possible, then a letter of explanation would be required. <u>In any event, the final estimate must be reconciled with the project ledger by the District Records Inspector prior to submittal to the contractor.</u>

The Records Inspector should make arrangements with the Resident to independently audit records as items are completed. Quantities must be computed and checked by project personnel prior to this audit. All records and computations, which the Records Inspector has verified for accuracy and compliance, are to be indicated by audit symbols and/or initials and date on the source document, filed ledger, and/or on his audit work paper.

Any additional help required to keep the records inspection current should be provided from personnel that are not assigned to the Resident in charge of the project.

Written reports will keep the district informed of the status of records, payment, and checking and provide a record for the project files. The report should point out any discrepancies and corrective action taken. The Records Inspector should not make changes in the records. Any discrepancies should be rechecked by the project personnel and corrections (if any) made by them with proper documentation of the action taken. The necessity of rechecking may be determined by the District Engineer if the dollar value is insignificant.

Disposition of Adverse Findings

Procedural deviations (not minor mathematical errors) will be reported to the District Engineer as soon as they are discovered. Differences which have not been resolved at the time of the final estimate will be presented on the DH-1996, Final Inspection and Review of Final Estimate and Records, for written disposition by the District Engineer.

If the disposition letter is prepared by the Resident, it should either be signed by the District Engineer or accompanied by a letter indicating concurrence by the District Engineer.

The letter should contain at least the following information:

- A. Brief History.
- B. Give justification for accepting the exception.
- C. Assurance that material was received.
- D. Corrective action taken. (What is being done to prevent happening on current and future projects.)

On federal-aid projects, recommendations for federal participation or nonparticipation must be included in the letter. On state projects, acceptance for final payment should be recommended.

Claim Settlements Subsequent to the Submittal of the Final Estimates

The final estimate will be submitted to the contractor for his approval and signature as soon as the necessary measurements and computations can be made. The contractor's approval of the final estimate will not prejudice any pending claims under the contract the contractor may have against the State. (Reference Subsection 109.08.)

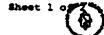
In order for the contractor to receive the final estimate as soon as possible and so that all project records are being handled uniformly in regard to claim settlement requiring payment by change order, the following guidelines should be followed:

- A. At the time the District Records Inspector completes his final audit of all project records, a check should be made with the Resident to determine if there are any claims pending or anticipated. If there is, a remark should be placed on the DH-1996, Final Inspection and Review of Final Estimate and Records, in order to alert Management and Financial Control.
- B. If necessary, a change order shall be prepared for payment immediately following the settlement of the claim. After a subsequent independent review by the District Records Inspector, the district should revise the DH-1996 to reflect the adjusted final project cost, give a brief explanation of the situation, and show the change order number. A field ledger sheet will be required to support these types of payments. However, a revision of the final estimate is not necessary.

ITD-2081 7/88 Distributions

(CPITCANL)

moords Inspector John Dos



STATUS REPORT Project Records Inspection & Final Estimate

Report for the Houth of October 1977 Dist. No. 2

District Engr. Resident Engr. Dist. Office Hgr. Records Inspector Asst. Dist. Engr.

Residency
Contract Assesse
Gontract Assesse
Gontract Assesse
Fro ject Complete
Project Percent Complete
Date Complete
Date Complete
Percent Complete
Percent Complete
Date Complete
Percent Complete
Date Complete
D Pro ject Romarks: See attached Sheet Project personnel have been busy and have not had a chance to compute and check quantities. 6-1-11 2864(7) Item 303 A 44" Aggr. for Base 1,969 Ton.
No moisture tests were taken to
document moisture control inexcess
of 4%, Discussed this matter
with the Resident Engineer. W-1-11 20 S-3701 Findings reported last month have been resolved. Creek to Item 301, 20 weigh tickets in backs
#19,11/2 were not initipled by the
Checker. Discussed this will the Residual
Engr. He will have the Inspector
write a memo to the file,
explaining the problem. 80N-2(27 Stockpile Mell. for Hem 408A. 43,000 Tone p. 26 reported on Estimate Mestern Conty supports 24,245 ton. No reference is made supporting the source designed or cost of production. Discussed this matter with the Resident Engr. Will fellow up next month. 1-80V-4(5)232 Records are generally good. Errors found during the final audit were resolved by project personnel in my presence. Shoshore \$ 863,245.00 5-31-76 100 100 9-20-77 PS 9-11-77 • -2809(17,

DISTRICT 4 STATUS REPORT ATTACHMENT, OCT. 1977

General Comments and Recommendations:
As I mentioned In last months report, that some exceptions were found in reconciling progress estimates with ledgers.
This month check revealed that corrective action has been taken.

The last reviews of project records reveal a noticeable improvement in record Keeping. It appears that project personnel are following the Construction Manual procedures closer.

Records are generally good. I would like to recommend that Resident Engineers advise their project Inspectors to pay closer attention to method of measurement. Particularly to material measured in trucks by the cubic yard or ton.

ITD-1996 7-88 FINAL INSPEC	TION AND REVIEW OF FINAL WORK	. ESTIMATE AND RECORDS
OJECT		CONTRACT NO.
TE AWARDED	CONTRACT TIME	CONTRACT BID AMOUNT \$
CHWAY COUNTY	BECINNING	MILEPOST TO ENDING MILEPOST
OMLocal Destina	Tion	Local Destination
PE		2002 000000000
CAL COOPERATORS	>	
/BCONTRACTORS		
ONDING COMPANY		
	WORK COMMENCED	COMPLETED
IME EXTENSIONS		
INAL INSPECTION. STATE	BY	
INAL INSPECTION. LOCAL	ВУ	
		he catablished state procedure and Federal Highway
Administration for engineering Determined that prime contractor speciality items in accordance Determined that subcontractors would be subcontractors. The policies procedure	based on contract time period napection reports and accept g acceptance of construction we reperformed their required per- e with the specifications or Sp ere approved prior to working of the practices, and internal co	cance letter of the state and Federal Highway ork. centage of the total contract price, exclusive of pecial Provisions.
below. The distribution	n of final project construction	n costa are as follows:
otal of all Contract Items	Participating	
	Ma	sterials Pensities (-)
hange of Source Sampling and Testin		S S
tate Furnished Materials (6 Cost to	Contractor)	
iquidated Damages Days & S sterials Left on Haud Change Order		
	· 2	OTAL TO PAY CONTRACTOR S
OMMENTS		
ATE DISTRICT	RECORDS INSPECTOR (Signature)	
ISTRICT PROJECT	RECORDS INSPECTION REPORT NO.	
	completed in accordance with p	plans and specifications and is hereby recommended
or acceptance and final payment.	Date:	
c: Attached & Distributed with Final Estimate		District Engineer

Final Estimate Review Report - Project I-IG-80N-2(50)120

Exceptions:

1. Minor Errors

Show number of minor errors by type such as posting errors, mathematical errors, etc.

2. Material tickets not properly validated.

Item 302A2 150 weigh tickets lacked checkers initials. 2250 Ton @ \$1.00 = \$2,250.00

Item 407D 20 weigh tickets lacked checkers initials.

300 Ton @ \$7.00 = \$2100.00.

Construction diaries indicated the work was in progress.

Tickets were in proper sequence and the unsigned tickets were scattered throughout 10 books examined for item 302A2 and one book for item 407D.

Unauthorized method of measurement

Item 205A. Cross section notes were not available to support 1,041 C.Y. of Uncl. Excavation from Soft Spots. 1,041 C.Y. @ \$.75 = \$780.75.

Resident Engineer stated the notes were lost during construction of the project. The quantity used for payment was based on load count. The hauling units were measured and the established shrink factor for this material was applied to determine quantity for payment.

12/84

110.04 RECORDKEEPING ON SPECIAL PROJECTS

General

These procedures are to be followed on projects completed by local forces under actual cost agreements, safety program projects, and projects completed by state forces involving federal funds. These procedures are not to be used when the project involves only utility or railroad work, such as railroad grade crossing projects, when the work is accomplished by the utility or railroad company. (Reference Construction Manual 105.07.)

On projects established under a competitive bid basis and which involves a contract, the administration procedure will follow the guidelines set forth in the Certification Acceptance program.

Project Administration

The District Engineer will assign a Resident to each project. This assignment should be given to an individual whose construction knowledge is commensurate with the type and complexity of the project. This may be a Resident Engineer, Traffic Engineer, or Maintenance Engineer depending on the type of project involved. The Construction and Materials Sections should be informed of assignments made. (This could be done by the Resident's signature on the initial ITD-2242 submitted.)

A meeting should be held between the Resident and the local agency prior to beginning work to clarify what is required of them. It should be pointed out that the work performed and documents supporting this work must be in accordance with OMB Circular A-102 and FMC A-87. (Copies of which should be given to the local agency if they are not familiar with the contents. See DRI manual for these documents.) Minutes of this preconstruction meeting should be maintained for the project files, and a copy submitted to the Materials Supervisor.

Inspection

The inspection required on these projects will depend on the complexity and nature of the work and will be at the discretion of the Resident. A final acceptance letter from the District Engineer will be required on all projects, except those done by state forces, to verify completion and compliance with plans and specifications.

Materials Inspection and Acceptance

Small quantities of miscellaneous materials may be accepted by the Resident's visual inspection documented on Form ITD-854 for submittal with Form ITD-852, Final Materials Inspection Summary. Form ITD-853, Materials Inspection Summary, should be submitted as needed.

Materials taken from the stock of a local unit of government can be accepted by a certification provided by a responsible representative of that unit of government. For larger quantities of material (or material supplied by the State), the local governmental agency (or state) should obtain a certification from the supplier. This will then be submitted with the ITD-854.

Form ITD-852, Final Materials Inspection Summary, must accompany Form ITD-854, Inspection of Contract Items, and be submitted to the Materials Supervisor for approval.

Changes

Any changes in plans, specifications or agreements should be handled by change order. The local agency will be shown as the contractor.

Forms and Reports

The following forms and reports are required on all special projects:

- A. ITD-2242 required on all projects.
- B. Materials certification on all projects (Forms ITD-852 and ITD-854).
- C. Final acceptance letter from District Engineer is required on all projects except those done by state forces.
- D. Final Inspection and Review of Final Estimate and Records (ITD-1996) will be required on all projects. The audit conducted by the District Record Inspector shall be in accordance with requirements outlined in OMB Circular A-102 (Attachment P).
- E. Forms ITD-1262 and DA-8 should be prepared when required. The DA-8 should be signed by a responsible representative of the local jurisdiction performing the work.

Form FHWA-47, Statement of Materials and Labor, will not be required on these projects.

110.09 CONSTRUCTION PHOTOGRAPHS

General

There is a well-worn Chinese proverb that says that one picture is worth a thousand words. How well this applies on construction projects. A good set of photographs is an invaluable supplement to project records.

Suggested Procedures

The following are suggestions and tips, which will improve the quality of your photo coverage of projects:

- A. Take pictures of situations which need to be a part of the project records and which are difficult to adequately describe.
- B. Take pictures of any situation that you suspect might develop into a claim.
- C. Use at least a 1/100-shutter speed if you handhold the camera. If you must use a slower shutter speed, rest the camera on a solid support.
- D. Use the manufacturer's recommendations for setting the f stop and shutter speed for various light conditions. Tape the setting instructions in the camera case for ready reference.
- E. Fill up the viewing screen with the object you are trying to show.
- F. Use the rubber stamp which has been provided on the back of the prints and fill out the information while it is fresh in your mind. If you cannot identify the picture later, it will not be of much use. To be admissible as court evidence, photographs must be documented properly.
- G. File the negative with the print made from that negative.
- H. If possible, take pictures of the project before construction begins.
- I. When accidents occur on the project, get pictures of the traffic control devices which existed at the time of the accident.
- J. When pictures are needed and not within your capability to take, call on the Construction Section for help.